ERIC Document Resume | See Instruction Sheet | DATE OF RESUME 8/2/65 | DATE RECEIVED

A. PUBLICATION DATA

1. ERIC NUMBER: ED002440 | 2. ORIGINATOR CONTROL NO(S): 7112 | 3. IDENTIFICATION NO.: N.A.

DO NOT WRITE IN SPACE BELOW

4. AUTHOR(S): Stone, Robert F.

5. TITLE OF DOCUMENT ABSTRACTED: A Determination of the Capacity and Cost of Recently Constructed California Public Junior Colleges

6. PUBLICATION TITLE: N.A.

7. EDITOR(S): N.A.

8. PLACE OF ORIGIN: State Dept. of Edu. Sacramento, Calif.

9. PUBLISHER OR SOURCE: California: State Department of Education

10. VOL.	11. PAGES	12. MO./YR.	13. TOTAL PP.
N.A.	N.A.	60	83

ORG. / ST. / CITY, STATE / TITLE / EXT. / INST/LOC CODE

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COPYRIGHT RELEASE FILED: YES ☐ NO ☐

TYPE OF REPORT: PROPOSAL ☐ IN-PROGRESS ☐ FINAL X FOLLOW-UP ☐

OTHER ERIC REFERENCES:

ERIC SATELLITE CODE

B. INDEXING DATA

14. SUBJECT AREA

15. TYPE OF ENDEAVOR: experimental study

16. INDEXING TERMS (6-12)

experimental studies G-23		public schools I-26	
buildings and equipment R-28		junior colleges S-24	
finance G-31		measurement O-12	expenditures G-21

17. ABSTRACT (MAX. 250 WORDS)

"The purpose of this study was to uniformly determine the capacity and cost of recently constructed California junior colleges . . . . In an attempt to have uniformity in this study, it was necessary to develop a set of ground rules for determining capacity and to relate all costs to a common cost index." Presents summary tables of capacity and cost, by institution. Appendixes cover: Ground rules for determining the F.T.E. (full-time equivalent) capacity of California public junior college facilities; capacity data; cost data; and State colleges' capital outlay cost per F.T.E. capacity.

RIC No. | 18. SOURCE OF ABSTRACT

C. FUNDING DATA

19. SUPPORTING ORGANIZATION	20. DIVISION OR DEPT.	21. CONTRACT NO. / PROJECT NO.
	22. TOTAL COST OF PROJECT	
	23. DURATION OF PROJECT	U.S. Department of Health, Education, and Welfare Office of Education

IC Form

IV-8

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A DETERMINATION OF THE CAPACITY AND COST OF RECENTLY CONSTRUCTED CALIFORNIA PUBLIC JUNIOR COLLEGES

U. S. DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
Office of Education

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March, 1960

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CALIFORNIA STATE DEPARTMENT OF EDUCATION
Sacramento 14, California

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and Director of Education

Jay Davis Conner, Associate Superintendent of Public
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ED000240

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A DETERMINATION OF THE CAPACITY AND COST OF RECENTLY CONSTRUCTED CALIFORNIA PUBLIC JUNIOR COLLEGES

Purpose

The purpose of this study was to uniformly determine the capacity and cost of recently constructed California public junior colleges. Although this might appear to be a relatively simple problem, one finds there are many methods and procedures currently used in determining and expressing these two aspects of junior college facilities. Junior college people often express their capacity in terms of average daily attendance, total enrollment, full-time students, or student stations. A similar situation exists with respect to cost figures. Some will express their cost as the bid on the general contract for the buildings; others will include the cost of the site and equipment, while others will give all capital outlay costs. Very seldom, however, are the cost figures related to a common cost index.

In an attempt to have uniformity in this study, it was necessary to develop a set of ground rules for determining capacity and to relate all costs to a common cost index. To do this, the policies and standards developed by the writer for determining the capacity of California state college facilities were revised and adopted with some slight modifications. A copy of the ground rules for determining capacity as adopted and used in this study is presented in Appendix A.

To equate costs, the methods and results of the work done by Dr. Daniel B. Milliken for the Master Plan Survey Committee (MAPS) were adopted and applied. In brief, this method involved equating all costs; i.e., site purchase, site development, equipment, all buildings, fees, landscaping, stadiums, dormitories, roads, walks, parking, playfields, etc. to the June, 1958 Engineering News Record cost index. In general, this involved adding a correction to the cost of facilities purchased or constructed before 1958 and subtracting a correction to obtain the cost of facilities purchased or constructed subsequent to 1958.

Procedures

In applying the ground rules for determining capacity, the writer visited each of the junior college campuses listed below and with the co-operation and assistance of the administrative staff members indicated opposite the name of the junior college, identified all instructional areas; typed the areas as lecture, activity, laboratory or production; took the dimensions of the assignable space; noted the type of equipment and furnishings; and assigned a student-station capacity to the areas. Also listed are the names of the individuals who reviewed and revised, where necessary, the cost figures provided by Dr. Milliken as a result of his work for the Master Plan Survey Committee.

American River Junior College	Mr. Kenneth Boettcher
	Mr. George Rice
Antelope Valley College	Dr. Lowell Barker
	Mr. Norton Nichols, Jr.
Bakersfield College	Dr. Burns Finlinson
Cerritos Junior College	Dr. Ralph Burnight
	Dr. Robert Rockwell
	Mr. Henry Korsmeier
Chaffey College	Dr. Daniel Milliken
	Mrs. Laura Hofman
	Dr. Rex Wignall
Coalinga College	Dr. William Niland
El Camino College	Mr. Gerald Brown
	Mr. Carl Arfwedson
Reedley College	Dr. Stephen Epler
	Dr. Clifford Boyer
	Mr. Carl Karasek
	Mr. Norman Bird
Santa Ana College	Dr. John Johnson
	Dr. O. Carl Schulz
Sierra College	Mr. Harold Weaver
	Mr. A. Marion Akers

It was necessary to deviate from the ground rules for determining capacity and the procedure for equating cost in only three instances. The blueprints of the floor plans for El Camino College were not available, and there was not sufficient time to measure each instructional area individually for a plant of its size. Consequently, the student capacities assigned to some of the instructional areas by Mr. Gerald Brown, Assistant Director, were accepted and used for some of the buildings. A different situation existed with respect to Antelope Valley College and Sierra College. In the case of these two junior colleges, the facilities had been programed and designed, but only the sites had been purchased and a few of the buildings were under contract. The capacities of these two plants were determined entirely from the architect's blueprints which indicated anticipated use, equipment and furnishings in the instructional areas. Similarly, the costs were based on the bids received on buildings under contract or on the architect's estimate for the units designed but not out to bid. In all other cases the procedures and standards outlined here or in the appendices were used.

Every precaution was taken to have the cost and capacity correlated. Whenever the cost of future additions to a campus were incorporated in the cost figures supplied by Dr. Daniel Milliken, the student capacity, if there was any, of the future additions was also included. In a few instances, existing facilities were being scheduled and used in a different manner than the ultimate master plan would indicate. For example, a room scheduled to become a chemistry laboratory, once the master plan was realized, was being used as a lecture room on one campus. In this and similar cases, the room was typed and its capacity determined on the basis of current use.

Appendix B contains a summary of the data obtained to compute and establish the capacity of the junior colleges in this study. Appendix C presents the cost data supplied by Dr. Milliken, with any changes made during the visitations, plus the cost of the El Camino and Sierra College facilities, which were not included in the MAPS study.

Summary Tables

In the tables that follow, the student-station capacities of all buildings on the junior college campuses containing, or designed to contain, instructional areas are given. The computed full-time equivalent (F.T.E.) capacities based on two utilization standards are then presented. The utilization standards used in computing the F.T.E. capacities were those recommended by the MAPS committee and the ones currently used by the state colleges in determining the capacity of their plants. These utilization standards are as follows:

Utilization Standards Recommended by MAPS

Type Space	Room Use	Student-station Use	Factor
Lecture	30 hours	60%	1.2
Activity*	25 hours	70%	.58
Laboratory	20 hours	80%	.35
Production*	(Average class size x number of teaching stations)		.25

Utilization Standards Used by California State Colleges

Type Space	Room Use	Station Use	Factor
Lecture	30 hours	75%	1.5
Activity	25 hours	85%	.7
Laboratory	20 hours	85%	.38
Production	(F.T.E. earned in the areas)		.33 (Approx.)

Cost per student-station and F.T.E., computed on the basis of the two sets of utlization standards, are then presented for each junior college.

*Interpolated on the basis of the two standards recommended.

Background Notes

No attempt will be made to subjectively evaluate the many factors that might lead to an explanation of the range in cost of the facilities studied. However, the following information about the type of construction, the status of the building program, and the capacity and cost data obtained for each college are presented as background.

American River Junior College: Recently completed permanent buildings of Type III construction (Uniform Building Code). Fifteen temporary classrooms of frame construction were available on campus, but only three were being used. The capacity and cost of the three being used are included in this study. The estimated cost of completing the present facilities was one million dollars.

Antelope Valley College: Buildings to be constructed on the new campus will be of Type III construction. Capacity data were obtained from architect's blueprints. Estimated costs include air conditioning which may or may not be included in some of the buildings once they are constructed. Both the capacity and cost data reflect the ultimate development of the campus in keeping with the presently approved master plan.

Bakersfield College: Recently completed permanent buildings of Type I and III construction. Capacity data based on existing buildings and cost data on actual expenditures. Total cost includes the cost of residence halls and a stadium.

Cerritos College: Partially completed campus with existing buildings of Type III construction. The cost of the field house, stadium, physical education, lecture hall, science, liberal arts, technology and student center buildings were based on actual cost. All other capacities and costs to complete the master plan were estimated. Temporary buildings being used on the site were included in the capacity data. Total cost includes the cost of a stadium.

Chaffey College: Recently completed permanent buildings of Type III construction. Costs of additional physical education facilities and additional site development necessary to complete the campus were estimated.

Coalinga College: Capacity and cost data include all facilities administered or used by the junior college. Total cost includes the cost of a girls' residence hall and dining room. Permanent buildings of Type I and III construction.

El Camino College: Permanent buildings of Type I and III construction. The capacity and cost data include temporary buildings of frame construction. The staff's rating of the student capacity of some instructional areas was accepted and used in the study. Total cost includes the cost of a stadium.

Reedley College: Permanent buildings on the junior college campus of Type V construction. Capacity and cost include all facilities administered or used by the junior college. The cost or capacity of facilities necessary to complete the junior college was not estimated or included in the data.

Santa Ana College: Permanent buildings of Type III and V construction. Temporaries of frame construction were being used and their capacity and cost were included in the data. No projected capacity or cost was included.

Sierra College: Buildings to be constructed will be of Type III and V construction. Bids received on the first permanent buildings on the new campus would indicate the cost data and estimates to be conservative. The capacity and cost included in the study do not reflect a completed campus.

Appendix D contains the cost per F.T.E. for California state college facilities as presented to the State Board of Education in September, 1959. The cost figures in the table are actual appropriations and have not been equated to the June, 1958 Engineering News Record building cost index. In general, applying the June, 1958 cost index to the state college costs in the table would increase the cost per F.T.E., due to the amounts appropriated prior to 1958 and the rapid increase in the cost index subsequent to the appropriations.

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TABLE I

SUMMARY OF CAPACITY AND COST BY COLLEGES

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SUMMARY OF CAPACITY AND COST

AMERICAN RIVER JUNIOR COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
Administration	144				144
Business-Liberal Arts	894	74	127		1,095
Temporaries	60			45	105
Gymnasium	72			256	328
Technical	90		186		276
Science	483		254		737
Fine-Applied Arts	117	74	107	169	467
Total S.S.	1,860	148	674	470	3,152

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	2,232.0	85.8	235.9	117.5	2,671.2

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	2,790.0	103.6	256.1	155.1	3,304.8

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,008/S.S.	$2,370/FTE	$1,915/FTE

SUMMARY OF CAPACITY AND COST

ANTELOPE VALLEY COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
A1 Vocational Nursing	80		16		96
A2 Business	45	54	96		195
H1 Library	35				35
C3 Art-Home Economics			96		96
F1 Classroom	225		96		321
G1 Social Science	360				360
*					*
G2 Classroom	225		30		255
C1 Music				125	125
C2 Little Theater		30		30	60
C4 Journalism		35		15	50
Gymnasium		90		180	270
D1 Biology			96		96
D2 Physics			96		96
F4 Classroom	90				90
F2 Electronics	48		48		96
F3 Shops			80		80
D3 Chemistry			96		96
D4 Classroom	238				238
Total S.S.	1,346	209	750	350	2,655

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	1,615.2	121.2	262.5	87.5	2,086.4

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	2,019.0	146.3	285.0	115.5	2,565.8

*Capacity and cost of buildings below the line from architect's blueprints and estimate.

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,387/S.S.	$3,038/FTE	$2,470/FTE

SUMMARY OF CAPACITY AND COST

BAKERSFIELD COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
Administration	40				40
Business	201	64	114		379
Humanities	1,014		24		1,038
Science	476		430		906
Gymnasium	208			416	624
Library		130			130
Home Economics			78	15	93
Little Theater	81	45		180	306
Art		32	118		150
Technical-Industrial	96	350	160		606
Agriculture		80	24		104
Total S.S.	2,116	701	948	611	4,376

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	2,539.2	406.6	331.8	152.8	3,430.4

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	3,174.0	490.7	360.2	201.6	4,226.5

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,702/S.S.	$3,447/FTE	$2,797/FTE

SUMMARY OF CAPACITY AND COST

CERRITOS COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
Liberal Arts	829				829
Natural Science	160		180		340
Business	63	140	248		451
Lecture Hall	547				547
Temporaries	68		70		138
Technology		120	235		355
Electronics	256		192		448
Metal Trades		50	147		197
Physical Science	144		144		288
Gymnasium				270	270
*					*
Arts-Crafts	64		104		168
Music-Drama	45	50		140	235
Womens Gym				140	140
Auto	50		105		155
Addn. Lecture Hall	360		72		432
Total S.S.	2,586	360	1,497	550	4,993

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	3,103.2	208.8	524.0	137.5	3,973.5

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	3,879.0	252.0	568.9	181.5	4,881.4

*Capacity and cost of buildings below the line from architect's blueprints and estimate.

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,634/S.S.	$3,309/FTE	$2,694/FTE

SUMMARY OF CAPACITY AND COST

CHAFFEY COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
Aeronautics	48		80		128
Business	99	110	198		407
Art			100		100
Home Economics			45		45
Little Theater	176	38		124	338
Electronics	102		90		192
Gymnasium	52			208	260
Language Arts	287	14	18	28	347
Library	100				100
Life Science	206	62	154		422
Physical Science	492		226		718
Social Science	427				427
Total S.S.	1,989	224	911	360	3,484

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	2,386.8	129.9	318.9	90.0	2,925.6

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	2,983.5	156.8	346.2	118.8	3,605.3

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,027/S.S.	$2,414/FTE	$1,959/FTE

SUMMARY OF CAPACITY AND COST

COALINGA COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
A			49		49
B			61		61
C	58		48		106
D	134		24	15	173
E	82	38	34		154
F	72		24		96
Lecture	101				101
Gymnasium			100		100
Auto	16		20		36
High School			20	35	55
Total S.S.	463	38	380	50	931

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	555.6	22.0	133.0	12.5	723.1

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	694.5	26.5	144.4	16.5	882.0

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$3,004/S.S.	$3,868/FTE	$3,171/FTE

SUMMARY OF CAPACITY AND COST

EL CAMINO COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
Administration	451			20	471
Art	54		152		206
Chemistry	232		168		400
Commerce	237	72	210		519
Life Science	76		144		220
Men's Gym	45			352	397
Music	108			206	314
Physics	40	30	160		230
Social Science	924				924
Technical	80		258		338
Temporaries	740		280	10	1,030
Shop	36		132		168
Total S.S.	3,023	102	1,504	588	5,217

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	3,627.6	59.2	526.4	147.0	4,360.2

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	4,534.5	71.4	571.5	194.0	5,371.4

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,293/S.S.	$2,744/FTE	$2,228/FTE

SUMMARY OF CAPACITY AND COST

REEDLEY COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
Engineering	320		16		336
Business	65		116		181
Home Economics	25	60	40	22	147
Science	94		50		144
Music				54	54
Art		15		25	40
Agriculture		15			15
Temporaries				36	36
Aeronautics				44	44
Industrial				88	88
Gymnasium*				110	110
Total S.S.	504	90	222	379	1,195

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	604.8	52.2	77.7	94.8	829.5

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	756.0	63.0	84.4	125.1	1,028.5

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,774/S.S.	$3,996/FTE	$3,22[illegible]/FTE

*To be built.

SUMMARY OF CAPACITY AND COST

SANTA ANA COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
A	694	128	102		924
B	208	46	72	32	358
C	48			71	119
D	159		149		308
E	65				65
G	55		92		147
H	45		31		76
Gym				270	270
Temporaries		36	174		210
Total S.S.	1,274	210	620	373	2,477

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	1,528.8	121.8	217.0	93.3	1,960.9

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	1,911.0	147.0	235.6	123.1	2,416.7

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,890/S.S.	$2,387/FTE	$1,937/FTE

SUMMARY OF CAPACITY AND COST

SIERRA COLLEGE

TABLE I
CAPACITY SUMMARY

Building	L	A	LB	P	Total
Academic	302		28	16	346
Arts			96		96
Gymnasium	27			75	102
Business		40	130		170
Industrial			59		59
Technical	36		28		64
Library	80		72		152
Music				66	66
Science	164		152		316
Total S.S.	609	40	565	157	1,371

F.T.E. CAPACITY BASED ON MAPS RECOMMENDED UTILIZATION

	L	A	LB	P	Total
F.T.E. Capacity	730.8	23.2	197.8	39.3	991.1

F.T.E. CAPACITY BASED ON STATE COLLEGES UTILIZATION STANDARD

	L	A	LB	P	Total
F.T.E. Capacity	913.5	28.0	214.7	51.8	1,208.0

TABLE II
COST SUMMARY
COST PER STUDENT STATION AND F.T.E. USING MAPS
AND STATE COLLEGES UTILIZATION STANDARDS

	Student Station	MAPS	State Colleges
Cost	$2,821/S.S.	$3,903/FTE	$3,202/FTE

SUMMARY TABLES

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CAPACITY SUMMARY

College	Capacity		
	Student Stations	MAPS	State Colleges
American River	3,152	2,671	3,305
Antelope Valley	2,655	2,086	2,566
Bakersfield	4,376	3,430	4,227
Cerritos	4,993	3,974	4,881
Chaffey	3,484	2,926	3,605
Coalinga	931	723	882
El Camino	5,217	4,360	5,371
Reedley	1,195	830	1,029
Santa Ana	2,477	1,961	2,417
Sierra	1,371	991	1,208

COST SUMMARY

College	Cost		
	Student Stations	FTE MAPS	FTE State Colleges
American River	$2,008	$2,370	$1,915
Antelope Valley	2,387	3,038	2,470
Bakersfield	2,702	3,447	2,797
Cerritos	2,634	3,309	2,694
Chaffey	2,027	2,414	1,959
Coalinga	3,004	3,868	3,171
El Camino	2,293	2,744	2,228
Reedley	2,774	3,996	3,223
Santa Ana	1,890	2,387	1,937
Sierra	2,821	3,903	3,202

APPENDIX A

GROUND RULES FOR DETERMINING THE F.T.E. CAPACITY OF CALIFORNIA PUBLIC JUNIOR COLLEGE FACILITIES

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APPENDIX A

GROUND RULES FOR DETERMINING THE F.T.E. CAPACITY OF CALIFORNIA PUBLIC JUNIOR COLLEGE FACILITIES

Prepared by Robert F. Stone, Consultant
Bureau of Junior College Education
January 22, 1960

Overview

Any objective determination of a college plant's capacity must by necessity be tempered with sound judgment. In making the study of junior college plant capacities, the following basic rules and standards will be used. Under no circumstances should the use of these criteria be interpreted to mean that all public junior colleges must adopt or utilize them. The amount of credit granted for a course, the determination of functions to be housed in an instructional area, the degree of utilization of instructional space, and the amount of space required for a particular instructional activity will vary from junior college to junior college depending upon many factors. However, to have a common basis upon which to determine the capacity of California junior colleges, the following rules and standards will be used.

Section A - Rules and Standards for Capacities

I - Classification of Instructional Areas

Instructional areas in junior college plants will be classified as lecture (L), activity (A), laboratory (LB), and production (P). Consideration of two factors will be the basis upon which instructional areas will be placed in one of these four categories. These factors are (1) the physical features of the area and its equipment, and (2) the type of classes assigned to the area or its use.

I-1. Lecture (L) areas will be those instructional areas normally equipped with fixed or movable tablet armchairs where the students assigned to the area receive one unit of credit for one hour of attendance.

I-2. Activity (A) areas will be those instructional areas equipped with furniture or other features that facilitate their use by classes requiring 2 hours of attendance for one unit of credit.

I-3. Laboratory (LB)areas will be those instructional areas equipped with specialized furniture and features that limit their use primarily to the instructional field for which they were designed and where the students assigned to the area receive one unit of credit for three hours of attendance. Science laboratories and vocational shops will be so classified.

I-4. Production (P) areas will be those instructional areas where the equipment and furnishings limit their use to a particular activity such as the gymnasium, band and choral practice rooms, journalism production rooms, and other areas where the students are assigned work for which they receive credit but do not have a specific station and may vary the amount of time spent in the area practicing or working on a production.

I-5. In the event an instructional area falls into two or more of the above categories, its classification shall be determined on the basis of major use. The type of classes assigned to the area for the majority of the hours per week will determine its classification. For example, a room with tables and chairs is used for activity-type classes 12 hours a week and for 15 hours a week for lecture-type courses. It will be classified as lecture (L).

II - Areas and Capacity Included

II-1. The student capacity of all covered areas on campus where organized classes are assigned to meet and the students earn credit shall be included.

II-2. The student capacity of instructional areas in temporary buildings will be determined and included if replacement is not anticipated within ten years. If replacement is anticipated, the student capacity of the replacements should be estimated and included. (The estimated cost of such facilities will also be included when cost is being considered.)

II-3. The estimated capacity of future projects on the approved master plan for a junior college will be included. (The estimated cost of such facilities will be included when cost is being considered.)

II-4. The seating capacity of little theaters, auditoriums, gymnasium bleachers, stadium, library reading rooms, cafeterias, waiting rooms, and other areas designed for spectator or free-time use will not be included.

II-5. The capacity of instructional space used and designed exclusively for classes after 5:00 p.m. and before 8:00 a.m. will not be included because of the Master Plan Survey recommendation on time.

II-6. The capacity of areas in gymnasiums, cafeterias, auditoriums, student centers, and libraries specifically designed for classroom use and used as such will be included.

III - Space Standards

It should be mentioned that certain factors of building design as well as local health, fire, and safety regulations governing building structures may affect the application of the following space

standards. When there is any doubt about the student capacity to be assigned an instructional area, it should be resolved on the basis of current practice. The person in charge of scheduling classes and room assignments at the junior college should be consulted and the capacity determined.

III-1. Lecture Rooms

1.1. The lecture room size schedule as developed by the California State Division of Architecture and used by the California state colleges will be used in determining the student capacity of lecture (L) room. (Attachment A). Allowances should be made for variations in the furniture and its arrangement.

1.2. In measuring the length and width of an area that does not fit the schedule, reasonable allowance should be made for cabinets, radiators, floor-mounted ventilators, and other protuberances that reduce the net assignable floor space.

1.3. The following distances from the front wall and the first row of chairs will be considered unassignable in computing the capacity of rooms not on the schedule (Attachment A):

First Row Chairs	Unassignable Space
7 chairs wide	7 feet from front wall
8 or 9 chairs wide	8 feet from front wall
10 or more chairs wide	9 feet from front wall
With piano or raised platform	10 feet from front wall

1.4. Side aisles of three feet shall be deducted from the floor area in computing the net assignable space.

Back aisles of three feet shall be deducted from the floor area if the room has four or more rows of chairs or if the instruction in the area requires the use of a blackboard on the back wall.

If the chairs are arranged in an area so that there is more than 10 chairs to a row wide, a center aisle of three feet will be deducted from the usable floor area in computing the net assignable space and capacity.

1.5. When it is necessary to compute the student capacity of an instructional area classified lecture (L) and not meeting the schedule (Attachment A), the square feet of usable floor space minus the unassignable front space and aisles determines the net assignable space.

1.6. In computing the student capacity of areas equipped with tablet armchairs, the square feet of net assignable space divided by 6 will be the capacity.

1.7. In computing the student capacity of areas equipped

with tables and chairs, the square feet of net assignable space divided by 12 will be the capacity.

1.8. The capacity of instructional areas with fixed chairs will be determined by counting the number of seats regardless of dimensions.

III-2. Activity Rooms

2.1. The capacity of an instructional area classified activity (A) with fixed stations created by the number of tables, sinks, drawing boards, workbenches, easels, music stands, instruments, or machines will be determined by counting the stations.

2.2. The capacity of an instructional area classified activity (A) with tables and chairs will be the same as in the case of lecture rooms equipped with tables and chairs.

2.3. The capacity of an instructional area to be used for activity-type classes, but not furnished, will be computed by dividing the square feet of net assignable space as determined for lecture rooms divided by 15.

III-3. Laboratories and Shops

3.1. The student capacity of instructional areas classified as laboratory (LB) with fixed stations created by the number of machines, benches, tools, outlets, sinks, or other equipment and furnishings will be determined by counting the stations.

3.2. The student capacity of instructional areas classified as laboratory (LB), but without fixed stations, will be determined by dividing the net assignable area by the following:

Art	- 40
Science laboratories	- 35
Engineering laboratories	- 75
Drafting, surveying	- 40
Electronics	- 60
Vocational shops	- 100
Business	- 30
Home Economics	- 60

3.3. The standard as used by the approval agency, such as the C.A.A. in aviation shops, the State Board of Cosmetology for cosmetology, and the State Board of Nurse Examiners for nursing, will be used in determining the capacity of such instructional space.

III-4. Production

4.1. The capacity of instructional areas classified as production (P) will be determined by the teaching station and average class size method.

4.2. The capacity of the physical education facilities including the gymnasium, play fields, outdoor courts, dance studio, swimming pool, etc., will be determined by counting the number of teaching stations and multiplying by the average class size of physical education classes.

4.3. The capacity of the drama, music, journalism, agricultural, etc., production areas will be determined by average class size assigned to such areas for one class period.

Section B - Utilization Standards

IV - Standards of Utilization

In converting the student capacity as determined by the above rules and standards into full-time equivalent (F.T.E.) capacity, it is necessary to apply utilization standards. The utilization standards to be used will be those recommended by the Master Plan Survey (MAPS) with the necessary additions for activity (A) and production (P) capacity.

IV-1. The utilization standard to be applied to instructional space classified as lecture (L) and as recommended by MAPS will be:

Room	Station	Factor for Converting to F.T.E.
30 hours week	60%	1.2

IV-2. The utilization standard to be applied to instructional space classified as activity (A) will be:

Room	Station	Factor for Converting to F.T.E.
25 hours week	70%	.58

IV-3. The utilization standard to be applied to instructional space classified as laboratory (LB) and as recommended by MAPS will be:

Room	Station	Factor for Converting to F.T.E.
20 hours week	80%	.35

IV-4. No utilization standard as such will be applied to instructional space classified as production (P). To convert the student capacity of such space into F.T.E. capacity, the following method will be used:

Student capacity (P) x .25 = F.T.E. capacity of production (P) areas

IV-5. Example of computing the student capacity of a junior college into F.T.E. capacity:

The student capacity of all the lecture, activity, laboratory, and production areas on a junior college campus have been determined. The following table indicates the method of converting the student capacity into F.T.E. capacity.

Classification	Total Student Capacity	x	Conversion Factor	=	F.T.E. Capacity
Lecture	700	x	1.20	=	840.0
Activity	120	x	.58	=	69.6
Laboratory	150	x	.35	=	52.5
Production	110	x	.25	=	27.5
			Total F.T.E. Capacity		989.6 F.T.E.

APPENDIX B

CAPACITY DATA

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APPENDIX B

AMERICAN RIVER JUNIOR COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Administration				
1	Cls. R. (Counseling)	28 x 37	L	72
2	Cls. R. (Counseling)	28 x 37	L	72
			Total	144
Business-Lib.Arts				
102	Cls. R.	28 x 28	L	45
106	Cls. R.	28 x 28	L	45
121	Cls. R.	28 x 28	L	45
122	Typing T & C's	28 x 37	LB	40
123	Typing T & C's	28 x 25	LB	35
124	Sect. Tr. T & C's	28 x 12	A	15
125	Bus.Mach. T&C's	28 x 37	LB	32
126	Cls. R.	28 x 42	L	81
127	Cls. R.	28 x 32	L	72
128	Accounting, T&C's	28 x 37	A	35
129	Cls. R. (Account)	28 x 37	L	72
130	Cls. R.	28 x 21	L	36
131	Cls. R.	28 x 21	L	36
132	Cls. R.	28 x 21	L	36
133	Cls. R.	28 x 21	L	36
134	Cls. R.	28 x 28	L	45
135	Cls. R.	28 x 28	L	45
151	Retailing	28 x 21	LB	20
152	Cls. R. T&C's	28 x 21	A	24
153	Cls. R. (Mixed)	28 x 28	L	45
154	Cls. R.	28 x 28	L	45
155	Cls. R. (Oreg.Groc.Lab.)	28 x 55	L	120
156	Cls. R.	28 x 28	L	45
157	Cls. R.	28 x 28	L	45
			Total	1,095
Temporaries (Only 3 out of 12 being used)				
51	Journalism	20 x 30	P	25
52	Publications (10 Desk)	20 x 30	P	20
54	Cls. R.	20 x 40	L	60
			Total	105

American River Junior College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Gymnasium				
201	Cls. R.	28 x 21	L	36
202	Cls. R.	28 x 21	L	36
Gym	3 Cross Courts Tennis Courts Playfields Outdoor Courts Football Baseball Activity Room	8 T.S.	P	256
			Total	328
Technical				
301	Electronics	21 x 60	LB	24
302	Electronics	21 x 60	LB	24
303	Cls. R.	28 x 28	L	45
304	Cls. R.	28 x 28	L	45
305	Drafting	28 x 28	LB	24
306	Drafting	28 x 56	LB	42
307	Welding	28 x 56	LB	24
308	Auto Mech.	28 x 100	LB	28
309	Metallurgy T&C's	28 x 16	LB	20
			Total	276
Science				
401	Cls. R.	38 x 56	L	150
402	Chemistry	28 x 42	LB	28
403	Cls. R.	28 x 36	L	72
404	Chemistry	28 x 42	LB	28
405	Chemistry	28 x 42	LB	28
406	Cls. R. (Lab)	28 x 36	L	72
407	Chemistry	28 x 42	LB	28
408	Life Science	28 x 42	LB	28
409	Cls. R. (Lab)	28 x 42	L	81
410	Anatomy	28 x 42	LB	24
411	Life Science	28 x 42	LB	30
412	Botany	28 x 42	LB	30
413	Physics	28 x 42	LB	30
414	Cls. R. (Chair Desks)	28 x 28	L	36
415	Cls. R. (Chair Desks)	28 x 28	L	36
416	Cls. R. (Chair Desks)	28 x 28	L	36
			Total	737

American River Junior College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Fine-Applied Arts				
501	Crafts, T&C's	30 x 28	LB	24
502	Ceramics	30 x 56	LB	24
503	Design T&C's	30 x 42	LB	20
504	Printing	30 x 28	A	24
505	Clothing	30 x 42	A	25
507	Foods	30 x 56	LB	24
508	Photography	28 x 28	LB	15
509	Cls. R.	28 x 28	L	45
510	Cls. R.	28 x 24	L	36
511	Cls. R.	28 x 24	L	36
512	Choral	Fixed Seats	P	100
513	Band	35 x 46	P	50
526	Piano	23 x 32	A	25
Piano	Practice	10 x 20	P	3
Stage	Drama	Stage	P	16
			Total	467

Grand Total-American River 3,152

Capacity of future buildings not estimated since cost was not included.

APPENDIX B

ANTELOPE VALLEY COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
AI Bldg.				
1	Voc. Nurse	26 x 36	LB	16
W	Ward	26 x 36	-	-
2	Cls. R.	26 x 56	L	80
			Total	96
A2 Bldg.				
3	Typing	28 x 44	LB	36
4	Shorthand	28 x 44	LB	36
5	Accounting	28 x 28	A	30
6	Bus. Mach.	28 x 28	LB	24
7	Cls. R.	28 x 28	L	45
8	Dist. Educ.	28 x 32	A	24
			Total	195
HI-Library				
1	Cls. R.	17 x 33	L	35
			Total	35
C3-Art-Home Economics				
1	Art	48 x 28	LB	24
2	Ceramics	48 x 28	LB	24
3	Sewing	48 x 28	LB	24
4	Cooking	48 x 48	LB	24
			Total	96
FI Bldg.				
1	Cls. R.	28 x 28	L	45
2	Cls. R.	28 x 28	L	45
3	Cls. R.	28 x 28	L	45
4	Cls. R.	28 x 28	L	45
5	Cls. R.	28 x 28	L	45
6	Engineering	56 x 28	LB	32
7	Engineering	56 x 28	LB	32
8	Engineering	58 x 28	LB	32
			Total	321

Antelope Valley College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
GI-English-Soc. Science				
1	Cls. R.	28 x 28	L	45
2	Cls. R.	28 x 28	L	45
3	Cls. R.	28 x 28	L	45
4	Cls. R.	28 x 28	L	45
5	Cls. R.	28 x 28	L	45
6	Cls. R.	28 x 28	L	45
7	Cls. R.	28 x 28	L	45
8	Cls. R.	28 x 28	L	45
			Total	360

FUTURE BUILDINGS - ESTIMATED

G2-Language-Soc. Science				
1	Remedial	28 x 44	LB	30
2	Cls. R.	28 x 28	L	45
3	Cls. R.	28 x 28	L	45
4	Cls. R.	28 x 28	L	45
5	Cls. R.	28 x 28	L	45
6	Cls. R.	28 x 28	L	45
			Total	255
C2-Music				
1	Band	48 x 48	P	65
2	Choral	32 x 48	P	60
			Total	125
C1-Little Theater				
1	Drama	20 x 32	A	30
2	Radio, T.V.	20 x 32	P	30
			Total	60
C4-Journalism				
1	Journalism	28 x 20	P	15
2	Publications	28 x 20	A	35
			Total	50

Antelope Valley College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Gymnasium				
Gym	2 Cross Courts Swimming Pool Special Phy.Ed. Outdoor Playfields	6 T.S.	P	180
PE1	Cls. R. (Double)	28 x 57	A	90
			Total	270
D1-Biology				
1	Biol. Science	28 x 42	LB	32
2	Anat., Zoology	28 x 42	LB	32
3	Physiology	28 x 42	LB	32
			Total	96
D2-Physics				
1	Physics	28 x 42	LB	32
2	Physics	28 x 42	LB	32
3	Physics	28 x 42	LB	32
			Total	96
F4-Faculty Offices (Temporary Classrooms)				
1	Temporary Cls. R.	28 x 28	L	45
2	" "	28 x 28	L	45
			Total	90
F2-Electronics				
1	Electronics	28 x 43½	LB	24
2	Electronics	28 x 43½	LB	24
3	Cls. R.	28 x 29½	L	48
			Total	96
F3-Shops				
1	Wood	40 x 41	LB	24
2	Metals	40 x 80	LB	28
3	Auto	40 x 80	LB	28
			Total	80

Antelope Valley College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
D3-Chemistry				
1	General	28 x 42	LB	32
2	Quant.	28 x 42	LB	32
3	Qual.	28 x 42	LB	32
			Total	96
D4-Classroom				
1	Cls. R.	28 x 43½	L	58
2	Cls. R.	Fixed Seats	L	90
3	Cls. R.	Fixed Seats	L	90
			Total	238
			Grand Total-Antelope Valley	2,655

Capacity of future buildings estimated since cost was included.

APPENDIX B

BAKERSFIELD COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Administration				
A6	Cls. R.	26 x 21	L	40
			Total	40
Business				
A18	Cls. R.	26 x 31	L	54
A17	Shorthand, T & C's	26 x 26	LB	30
A16	Bus.Mach., T & C's	26 x 36	LB	24
A11	Cls. R. (Typing)	29½ x 36	L(LB)	45
A8	Typing	29½ x 41	LB	40
A7	Account., T & C's	25½ x 34	A	32
A5	Account., T & C's	25½ x 33	A	32
A4	Cls. R.	25½ x 29	L	48
A3	Dist.Educ.	29½ x 22	LB	20
A2	Cls. R.	29½ x 29	L	54
			Total	379
Humanities				
H2	Cls. R.	26 x 20	L	36
H3	Cls. R.	26 x 20	L	36
H4	Cls. R.	26 x 20	L	36
H5	Cls. R.	26 x 20	L	36
H6	Cls. R.	26 x 20	L	36
H7	Cls. R.	26 x 16	L	27
H8	Cls. R.	26 x 16	L	27
H11	Reading	26 x 24	LB	24
H12	Cls. R.	26 x 26	L	42
H13	Cls. R.	26 x 26	L	42
H14	Cls. R.	26 x 26	L	42
H15	Cls. R.	26 x 26	L	42
H17	Cls. R.	26 x 16	L	27
H18	Cls. R.	26 x 16	L	27
H19	Cls. R.	26 x 20	L	36
H20	Cls. R.	26 x 20	L	36
H21	Cls. R.	26 x 20	L	36

Bakersfield College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Humanities				
H22	Cls. R.	26 x 20	L	36
H23	Cls. R.	26 x 20	L	36
H51	Cls. R.	36 x 42	L	126
H52	Cls. R.	36 x 42	L	126
2nd Floor				
H103	Cls. R.	23½ x 26	L	42
H104	Cls. R.	23½ x 26	L	42
H105	Cls. R.	23½ x 26	L	42
			Total	1,038
Science				
S4	Physics	14 x 25 26 x 31	LB	28
S7	Chem.	15 x 10 26 x 31	LB	28
S12	Chem.	8 x 21 26 x 31	LB	28
S18	Chem.	26 x 42	LB	30
S8	Physics	26 x 31	LB	24
S13	Geology-Min.Disp.	26 x 42	LB	28
S17	Chem.	26 x 31	LB	24
S26	Chem.	26 x 31	LB	24
S27	Biology	26 x 47	LB	32
S30	Nursing(Beds)	26 x 42	LB	24
S27	Bacteriology	26 x 39	LB	26
S31	Botany	26 x 41	LB	30
S38	Zoology	26 x 42	LB	30
S40	Drafting	26 x 31	LB	24
S42	Drafting	26 x 42	LB	30
S45	Eng.Test	26 x 46	LB	20
S46	Cls. R.	26 x 29	L	48
S48	Cls. R. (Stepped Flr.)	26 x 42	L	54
S51	Cls. R. (Fixed Seats)	26 x 42	L	110
S53	Cls. R. (Fixed Seats)	26 x 42	L	110
S56	Cls. R. (Fixed Seats)	46 x 35	L	154
			Total	906

Bakersfield College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Gymnasium				
Gym	3 Cross Court Swimming Pool Tumbling Combatants Badminton (Upper) Badminton (Upper) Dance Tennis Courts Girls Playfields Boys Playfields Baseball	13 T.S.	P	416
G18	Cls. R.	36 x 30	L	78
G17	Cls. R.	36 x 45	L	130
			Total	624
Library				
1	Cls.R. Not Scheduled	36 x 42	A	130
			Total	130
Home Economics				
HE12	Cooking	52 x 28	LB	26
HE16	Sewing	52 x 28	LB	26
HE15	Home Furn.	26 x 32	P	15
HE3-4	Child Dev.	26 x 68	LB	26
			Total	93
Little Theater				
SM2	Band	47½ x 40½	P	65
SM8	Choral	40½ x 34	P	65
Stage	Drama	Stage	P	30
SM101	Radio-TV	17 x 27	A	25
SM107	Cls. R.	25 x 41	L	81
SM110	Greenroom	30 x 28½	A	20
SM115G	Piano	24 x 40	P	20
			Total	306

Bakersfield College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Art				
3	Photo.Journal	80 x 60	LB	38
8	Ceramics-Crafts	108 x 60	LB	48
9	Sp.Art Tables-Paint	61 x 61	LB	32
10	Sp.Art Tables-Design	61 x 61	A	32
			Total	150
Technical-Industrial				
TI6	Electrical	52 x 84	LB	30
TI5	Machine-Metals	62 x 72	LB	30
TI4	Petroleum-Diesel	41 x 52	LB	24
TI3	Auto. Mech.	48 x 60	LB	24
TI2	Weld.-B & F	48 x 60	LB	28
TI1	Wood	40 x 52	LB	24
TI101M	Briefing	20 x 38	A	52
TI102M	Briefing	20 x 46	A	66
TI103M	Briefing	20 x 46	A	66
TI201M	Cls. R.	26 x 38	L	64
TI202M	Cls. R.	26 x 20	L	32
TI106M	Briefing Elec.	20 x 32	A	42
TI105M	Briefing M.S.	20 x 50	A	75
TI104M	Briefing Petrol.	20 x 34	A	49
			Total	606
Agriculture				
AG2	Ag. T & C's	25 x 25	A	40
AG9	Ag.	25 x 25	A	40
AG12	Ag. Mech.	68 x 34½	LB	24
			Total	104
			Grand Total-Bakersfield	4,376

APPENDIX B

CERRITOS JUNIOR COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Liberal Arts				
LA2	Cls. R.	28 x 39	L	81
LA3	Cls. R.	28 x 23	L	40
LA4	Cls. R.	28 x 39	L	81
LA5	Cls. R.	28 x 39	L	81
LA20	Cls. R.	28 x 31	L	54
LA21	Cls. R.	28 x 23	L	40
LA22	Cls. R.	28 x 31	L	54
LA23	Cls. R.	28 x 23	L	40
LA24	Cls. R.	28 x 31	L	54
LA25	Cls. R.	28 x 23	L	40
LA26	Cls. R.	28 x 19	L	32
LA27	Cls. R.	28 x 23	L	40
LA28	Cls. R.	28 x 19	L	32
LA29	Cls. R.	28 x 23	L	40
LA31	Platform	28 x 23	L	40
LA33	Cls. R.	28 x 23	L	40
LA35	Cls. R.	28 x 23	L	40
			Total	829
Natural Science				
NS1	Cls. R. (Chem.Lab)	28 x 39	L(LB)	60
NS2	Chemistry	28 x 39	LB	30
NS3	Cls. R. (Storage)	28 x 20	L(S)	40
NS5	Cls. R. (Chem.Lab)	28 x 39	L(LB)	60
NS6	Chemistry	28 x 39	LB	30
NS11	Zoology	28 x 39	LB	30
NS12	Botany	28 x 39	LB	30
NS15	Anatomy	28 x 39	LB	30
NS16	Biology	28 x 39	LB	30
			Total	340

Cerritos College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Business Education				
B1	Account.T&C's	29 x 48	A	56
B2	Account.T&C's	29 x 48	A	56
B4	Mach.Cal.T&C's	29 x 40	LB	35
B8	Bus.Mach.T&C's	29 x 40	LB	35
B11	Cls.R.,TA's	29 x 32	L	63
B12	Off.Pract.TA's	29 x 40	A	28
B13	Typing T&C's	29 x 48	LB	54
B14	Typing T&C's	29 x 48	LB	54
B15	Shorthand T&C's	29 x 40	LB	35
B16	Shorthand T&C's	29 x 40	LB	35
			Total	451
Lecture Hall				
H1	Fixed Seats	65 x 31 Cir.	L	134
H2	Fixed Seats	33 x 31 Cir.	L	69
H3	Fixed Seats	33 x 31 Cir.	L	70
H4	Fixed Seats	65 x 31 Cir.	L	134
H5	Fixed Seats	33 x 31 Cir.	L	70
H6	Fixed Seats	33 x 31 Cir.	L	70
			Total	547
Temporaries				
Bldg. 10	Cls. R.	30 x 18	L	24
Bldg. 20	Cls. R.	28 x 20	L	22
Bldg. 60F	Cls. R.	28 x 20	L	22
Bldg. 30	Mach.Shop	50 x 30	LB	25
Bldg. 50	Weld.Auto. Mech.	45 x 52	LB	25
Bldg. 60B	Auto.Mech.	52 x 30	LB	20
			Total	138
Technology				
1	Cosmetology	47 x 57	LB	75
3	Cosmetology	35 x 47	LB	32
4	Cosmetology	35 x 47	LB	32
5	Tech. Lab.	35 x 47	LB	32
6	Tech. Lab.	35 x 47	LB	32
7	Tech. Lab.	35 x 47	LB	32
10	T & C's	26 x 35	A	60
12	T & C's	26 x 35	A	60
			Total	355

Cerritos College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Electronics				
1	Cls. R.	23 x 38	L	64
2	Electricity	35 x 48	LB	32
3	Elec. Cir.	35 x 48	LB	32
4	Motors	35 x 48	LB	32
5	Cls. R.	23 x 38	L	64
11	Cls. R.	23 x 38	L	64
12	Radio-TV	35 x 48	LB	32
13	Electronics	35 x 48	LB	32
14	Electronics	35 x 48	LB	32
15	Cls. R.	23 x 38	L	64
16	Seminar	11 x 24	-	-
17	Seminar	11 x 24	-	-
			Total	448
Metal Trades				
1	Welding	32 x 114	LB	32
2	Mach. Shop	32 x 114	LB	32
3	Metallurgy	(24 x 20) (51 x 60)	LB	30
4	Sheet Metal	38 x 48	LB	25
5	Refrigeration	38 x 67	LB	28
6	Briefing	20 x 13	A	25
7	Briefing	19 x 15	A	25
			Total	197
Physical Science				
1	Physics	29 x 39	LB	30
2	Geology	29 x 39	LB	30
3	Physics	29 x 39	LB	30
4	Engineering	29 x 39	LB	30
5	Cls. R.	23 x 29	L	48
6	Cls. R.	23 x 29	L	48
7	Cls. R.	23 x 29	L	48
8	Cls. R.	23 x 29	L	48
10	Dental T&C's	28 x 29	LB	24
12	Fixed Seats	27 x 29	L	48
			Total	288

Cerritos College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Gymnasium (Out to bid - Estimate)				
Gym	3 Cross Courts Swimming Pool Playfields Stadium Track Baseball	9 T.S.	P	270
			Total	270

FUTURE BUILDINGS - ESTIMATED

Arts & Crafts				
-	Journalism	-	LB	30
-	Art Appreciation	-	L	40
-	Arts	-	LB	25
-	Crafts	-	LB	25
-	Home Economics	-	LB	24
-	Cls. R.	-	L	24
			Total	168
Music-Drama				
-	Music Appreciation	-	L	45
-	Choral	-	P	60
-	Band	-	P	60
-	Drama	-	A	25
-	Stage	-	P	20
-	Little Theater	-	-	-
-	Auditorium	-	-	-
-	Radio TV Studios	-	A	25
			Total	235
Women's Gym				
-	5 Teaching Stations	-	P	140
			Total	140

Cerritos College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Automotive				
-	Auto	-	LB	25
-	B & F	-	LB	25
-	Wood	-	LB	25
-	Power Sewing	-	LB	30
-	Cls. R.	-	L	25
-	Cls. R.	-	L	25
			Total	155
Addn. Lecture Hall				
-	Lang. Cls.R.	-	L	30
-	Lang. Cls.R.	-	L	30
-	Lang. Cls.R.	-	L	30
-	Lang. Cls.R.	-	L	30
-	Lang. Lab	-	LB	36
-	Lang. Lab	-	LB	36
-	Cls. R.	-	L	120
-	Cls. R.	-	L	120
			Total	432
			Grand Total-Cerritos	4,993

Capacity of future buildings estimated since cost was included.

APPENDIX B

CHAFFEY COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Aeronautics				
KI	Briefing	19 x 24	L	24
LI	Briefing	19 x 24	L	24
E.Shop	Aero	(10 x 33) (59 x 30)	LB	20
W.Shop	Aero	(10 x 33) (59 x 27)	LB	20
S.E.Shop	Temp. Warehouse	2,000	LB	20
S.W.Shop	Temp. Warehouse	2,000	LB	20
			Total	128
Business Education				
1	Bus. Mach.	24 x 31	LB	36
2	Cls. R.	24 x 27	L	45
3	Accounting	29 x 29	A	40
4	Bookkeeping	28 x 29	A	40
5	Secretarial	29 x 29	A	30
6	Merchandising	30 x 29	LB	40
11	Typing	40 x 29	LB	42
12	Shorthand	27 x 29	LB	40
14	Cls. R.	27 x 29	L	54
15	Typing	38 x 29	LB	40
			Total	407
Art				
12	Painting	31 x 29	LB	25
12C	Commercial	30 x 19	LB	15
14	Ceramics	(27 x 19) (19 x 10)	LB	17
21	Ceramics	35 x 28	LB	18
15	Design	27 x 23	LB	25
			Total	100
Home Economics				
4	Foods L & LB	34 x 29	LB	20
11	Crafts L & LB	49 x 28	LB	25
			Total	45

Chaffey College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Little Theater				
6	Choral	43 x 32	P	68
8	Cls. R.	29 x 19	L	36
10	Inst. Music	38 x 43	P	41
1H	Cls. R.	19 x 28	L	36
1J	Cls. R.	19 x 28	L	36
1M	Dramatics	21 x 28	A	38
1N	Cls. R.	25 x 22	L	32
1L	Cls. R.	27 x 22	L	36
Stage	Drama	Stage	P	15
			Total	338
Electronics				
3	Cls. R.	22 x 25	L	32
5	Cls. R.	39 x 25	L	70
7	Electronics	29 x 48	LB	26
17	Electrical	29 x 48	LB	26
21	Photo Dk.Rms.	19 x 25	LB	11
23	Lithography	(27 x 39) (13 x 15)	LB	12
M	Mezzanine	250	LB	15
			Total	192
Gymnasium				
11	Cls. R. Men	20 x 21	L	28
2	Cls. R. Women	19 x 24	L	24
Gym	2 Cross Courts Women's Dance Swimming Pool Combatants Playfields Baseball	8 T.S.	P	208
			Total	260
Language Arts				
1	Cls. R.	24 x 25	L	42
2	Cls. R.	25 x 25	L	42
5	Cls. R.	25 x 25	L	42
6	Cls. R.	19 x 25	L	32
8	Lang. Lab.	19 x 25	LB	18

Chaffey College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Language Arts				
12	Seminar	17 x 25	-	-
14	Cls. R.	27 x 25	L	45
15	Cls. R.	20 x 25	L	35
16	Journalism	29 x 25	P	28
17	Cls. R.	22 x 25	L	32
19	Cls. R.	14 x 20	L	17
21	Reading	14 x 17	A	14
			Total	347
Library				
2A	Cls. R.	40 x 29	L	100
			Total	100
Life Science				
1M	Dental	37 x 27	LB	24
1N	Cls. R.	27 x 29	A	24
3G	Multi-Purpose	39 x 19	LB	24
3M	Nursing	27 x 25	L	48
3T	Dental Lect.	25 x 31	A	38
3R	Typing	16 x 18	LB	10
19	Seminar	13 x 20	-	-
25	Biology	40 x 29	LB	28
27	Anatomy	39 x 29	LB	36
29	Cls. R.	24 x 29	L	52
10	Botany	39 x 28	LB	32
14	Cls. R.	29 x 28	L	56
16	Cls. R.	24 x 28	L	50
			Total	422
Physical Science				
1	Cls. R.	24 x 24	L	40
2	Geology	32 x 24	LB	22
3	Cls. R.	24 x 24	L	40
4	Cls. R.	25 x 24	L	42
5	Cls. R.	24 x 24	L	40
6	Seminar	12 x 24	-	-
10	Cls. R.	26 x 19	L	34
12	Cls. R.	26 x 19	L	34
15	Drafting T & C's	49 x 29	LB	34

Chaffey College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Physical Science				
16	Drafting T & C's	48 x 29	LB	34
18	Cls. R. Stepped	35 x 41	L	80
22	Cls. R.	25 x 29	L	52
24	Materials	22 x 29	LB	15
26	Cls. R.	21 x 29	L	42
29	Physics	25 x 29	LB	21
31	Physics	26 x 39	LB	28
32	Organic	25 x 34	LB	24
38	Gen. Chem.	25 x 34	LB	24
39	Cls. R.	23 x 27	L	44
41	Cls. R.	23 x 27	L	44
43	Gen. Chem.	24 x 35	LB	24
			Total	718
Social Science				
1	Cls. R.	30 x 26	L	54
2	Cls. R	27 x 20	L	38
3	Cls. R.	30 x 27	L	50
4	Cls. R.	21 x 27	L	39
5	Cls. R.	20 x 19	L	28
6	Cls. R.	27 x 21	L	38
10	Cls. R.	28 x 27	L	45
12	Cls. R.	28 x 27	L	45
15	Cls. R.	28 x 27	L	45
17	Cls. R.	28 x 27	L	45
9H	Seminar	18 x 15	-	-
			Total	427
			Grand Total-Chaffey	3,484

Cost of additional improvements estimated but no capacity involved.

APPENDIX B

COALINGA COLLEGE

Building Rooms	Notes on Use/Equip	Net Assignable Space	Type of Space	Student Stations by Formula
A Wing				
1	Biology	27 x 31½	LB	25
2	Geology	27 x 31½	LB	24
			Total	49
B Wing				
1	Organic	27 x 12	LB	16
2	General Chem.	27 x 30	LB	26
3	Physics	27 x 26	LB	19
			Total	61
C Wing				
1	Cls. R.	Fixed Seats	L	58
2	Drafting	27 x 37	LB	24
3	Electronics	27 x 37	LB	24
			Total	106
D Wing				
1	Journalism	19½ x 16	P	15
2	Cls. R.	19½ x 27	L	35
3	Cls. R., T&C's	27 x 31	L	45
4	Cls. R.	27 x 31	L	54
5	Reading	27 x 20	LB	24
			Total	173
E Wing				
1	Cls. R.	27 x 28	L	42
2	Accounting T & C's	27 x 32	A	38
3	Typing	27 x 35½	LB	34
4	Cls. R.	27 x 23	L	40
			Total	154

Coalinga College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
F Wing				
1	Cls. R.	27 x 21	L	36
2	Art	27 x 55	LB	24
3	Cls. R.	27 x 21	L	36
			Total	96
Lecture Hall				
1	Cls. R.	Fixed Seats	L	101
			Total	101
Gymnasium				
Gym	2 Cross Courts Playfields Swimming Pools	5 T.S.	P	100
			Total	100
Auto				
Shop	Grease Rack	56 x 40	LB	20
AS1	Cls. R.	19 x 24	L	16
			Total	36
	SPACE USED ON HIGH SCHOOL CAMPUS			
High School				
Ind. Arts	Welding	-	LB	20
Music	Band-Choral	-	P	35
			Total	55
			Grand Total-Coalinga	931

APPENDIX B

EL CAMINO COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Administration				
1	Journalism	28 x 28	P	20
5	Cls. R.	28 x 28	L	45
6	Cls. R.	28 x 28	L	45
7	Cls. R.	28 x 28	L	45
8	Cls. R.	Fixed Seats	L	154
10	Cls. R.	28 x 28	L	45
11	Cls. R.	28 x 28	L	45
12	Cls. R.	28 x 24	L	36
13	Cls. R.	28 x 24	L	36
			Total	471
Art				
2	Cls. R.	28 x 33	L	54
3	Crafts	28 x 33	LB	28
5	Ceramics(Kilns)	(24 x 37) (28 x 37)	LB	28
6	Ind.Design, T & C's	(10 x 37) (23 x 37)	LB	32
7	Advertising T & C's	28 x 37	LB	32
8	Painting (Easels)	28 x 37	LB	32
			Total	206
Chemistry				
3	Chemistry	32 x 49	LB	28
4	Cls. R.	23 x 24	L	32
5	General Chem.	28 x 49	LB	28
6	Cls. R.	23 x 24	L	32
7	Cls. R.	23 x 24	L	32
8	General Lab.	28 x 49	LB	28
10	Chemistry	28 x 49	LB	28
11	Chemistry	28 x 49	LB	28
12	Chemistry	28 x 49	LB	28
17	Cls. R.	28 x 24	L	36
18	Cls. R.	28 x 24	L	36
19	Cls. R.	23 x 24	L	32
20	Cls. R.	23 x 24	L	32
			Total	400

El Camino College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Commerce				
1	Cls. R.	-	L	40
2	Cls. R	Fixed Seats	L	157
3	Cls. R.	-	L	40
4	Accounting T & C's	-	A	36
5	Shorthand T & C's	-	LB	36
6	Bus. Mach. T & C's	-	LB	30
7	Shorthand T & C's	-	LB	36
8	Accounting T & C's	-	A	36
9	Shorthand T & C's	-	LB	36
10	Typing Desk	-	LB	36
11	Typing Desk	-	LB	36
			Total	519
Life Science				
5	Biology	30 x 44	LB	36
6	Zoology	30 x 44	LB	36
7	Cls. R.	Fixed Seats	L	76
8	Life Science	30 x 44	LB	36
9	Life Science	30 x 44	LB	36
			Total	220
Men's Gym				
1	Cls. R.	28 x 28	L	45
Gym	3 Cross Courts Combatants Gymnastics Swimming Pool Tennis Courts Outdoor Courts Playfields Dance Studio	11 T.S.	P	352
			Total	397

El Camino College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Music				
9	Choral	Fixed Seats	P	84
11	Piano	-	P	20
13	Music App.	28 x 32	L	54
14	Music App.	28 x 32	L	54
16	Green Room	-	P	24
17	Band	42 x 54	P	60
Stage	Drama	Stage	P	18
			Total	314
Physics				
1	Fixed Tables	29 x 29	L	40
2	"	29 x 38	A	30
3	"	32 x 39	LB	32
4	"	32 x 39	LB	32
5	"	32 x 39	LB	32
7	"	32 x 39	LB	32
8	"	32 x 39	LB	32
			Total	230
Social Science				
1	Cls. R.	-	L	45
2	Cls. R.	-	L	45
3	Cls. R.	-	L	45
6	Cls. R.	-	L	45
7	Cls. R.	-	L	42
8	Cls. R.	-	L	42
12	Cls. R.	-	L	40
13	Cls. R.	-	L	40
14	Cls. R.	-	L	40
15	Cls. R.	-	L	40
16	Cls. R.	-	L	40
17	Cls. R.	-	L	40
18	Cls. R.	-	L	40
22	Cls. R.	-	L	45
23	Cls. R.	-	L	45
24	Cls. R.	-	L	45
25	Cls. R	-	L	45
26	Cls. R.	-	L	40
27	Cls. R.	-	L	40
28	Cls. R.	-	L	40
29	Cls. R.	-	L	40
30	Cls. R.	-	L	40
			Total	924

El Camino College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Technical Arts				
2	Cosmetology	-	LB	90
3	Sewing	-	LB	24
7	Drafting	-	LB	36
8	Drafting	-	LB	36
9	Cls. R.	-	L	40
10	Cls. R.	-	L	40
11	Drafting	-	LB	36
12	Drafting	-	LB	36
			Total	338
Temporary Buildings				
A1	Cls. R.	19 x 32	L	40
A3	Conference	19 x 24	L	20
A4	Cls. R.	19 x 32	L	40
A5	Sewing	19 x 36	LB	20
A6	Cooking	19 x 42	LB	20
A7	Radio, T.V.	19 x 36	LB	20
A8	Radio, T.V.	19 x 36	LB	20
A9	Electronics	19 x 36	LB	20
B1	Cls. R.	19 x 32	L	40
B2	Cls. R.	19 x 32	L	40
B3	Cls. R.	19 x 32	L	40
B6	Radio, T.V.	19 x 42	LB	20
B7	Radio, T.V.	19 x 42	LB	20
B8	Communications	19 x 36	LB	20
B10	Languages Lab.	19 x 36	LB	24
C1	Cls. R.	-	L	40
C3	Engr. Draw.	-	LB	32
C5	Engr. Draw.	-	LB	32
D1	Cls. R.	-	L	40
D2	Cls. R.	-	L	40
D3	Cls. R.	-	L	40
D4	Cls. R.	-	L	40
D5	Cls. R.	-	L	40
D6	Cls. R.	-	L	40
E1	Cls. R.	-	L	40
E3	Cls. R.	-	L	32
E5	Cls. R.	-	L	32
I1	Cls. R.	-	L	56
I2	Seminar	-	-	-

El Camino College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Temporary Building				
I3	Geology	-	LB	32
I4	Photography	-	P	10
I5	Cls. R.	-	L	40
I6	Cls. R.	-	L	40
			Total	1,030
Shop				
1	Auto	-	LB	24
2	Wood	-	LB	24
11	Body-Fender	-	LB	24
21	Refrigeration	-	LB	24
22	Welding	-	LB	36
24	Cls. R.	-	L	36
			Total	168
			Grand Total-El Camino	5,217

Areas without net assignable space indicated were assigned the college use capacity.

APPENDIX B

REEDLEY COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Engineering				
30	Cls. R.	23½ x 31	L	50
31	Cls. R.	27½ x 31	L	50
32	Cls. R.	Fixed Sheets	L	160
35	Cls. R.	23½ x 31	L	50
36	Drafting	31½ x 31	LB	16
39	Cls. R.	11 x 13	L	10
			Total	336
Business				
40	Typing	27½ x 31	LB	28
41	Bus. Mach.	31½ x 31	LB	36
42	Cls. R.	35½ x 31	L	65
43	Life Science	31½ x 31	LB	24
49	Life Science	42 x 31	LB	28
			Total	181
Home Economics				
58	Sewing-Cooking	48 x 31	LB	24
59	Cls. R.	15 x 28	L	25
60	Radio	10 x 24	P	10
62	Drama	48 x 31	A	60
63	Lang. Lab.	15 x 24	LB	16
64	Journalism	12 x 24	P	7
65	Publications	10 x 24	P	5
			Total	147
Science				
70	Physics	31½ x 31	LB	16
75	Cls. R.	27½ x 31	L	32
76	Cls. R.	27½ x 31	L	62
77	Chemistry	23½ x 31	LB	12
82	Chemistry	31½ x 31	LB	20
			Total	144
Music				
170	Band Choral	48½ x 31	P	50
Piano	Piano	Pract. Rms.	P	4
			Total	54

Reedley College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Art				
159	Painting	31½ x 35	LB	15
160	Crafts	31½ x 35	LB	10
154	Art	31½ x 23	A	15
			Total	40
Agriculture				
251	Agriculture	19½ x 14	A	15
			Total	15
		Buildings Used on High School Campus		
Temporaries				
5A2	Dental Asst.	45 x 30	LB	24
5A3	Engineering	30 x 30	LB	12
			Total	36
Aeronautics				
-	Air Frames	40 x 60	LB	24
-	Power Paint	40 x 140	LB	20
			Total	44
Industrial Arts				
1	Wood	(19 x 22) (60 x 60)	LB	18
4	Machine	40 x 60	LB	20
4B	Auto	95 x 57	LB	30
16	Electronics	32 x 22	LB	20
			Total	88
Gymnasium (To be built.)				
-	-	5 T.S.	P	110
			Total	110
			Grand Total-Reedley	1,195

APPENDIX B

SANTA ANA COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
A Building				
2	Cls. R.	26½ x 31	L	54
3	Cls. R.	23 x 31	L	48
4	Cls. R.	23 x 31	L	48
5	Cls. R.	23 x 31	L	48
6	Cls. R.	27 x 31	L	54
13	Cls. R.	21 x 31	L	49
20	Cls. R.	40½ x 31	L	96
22	Sec.Tr.T & C's	34 x 31	LB	42
23	Cls. R.	33 x 31	L	74
24	Sec.Tr.T & C's	33 x 31	A	28
25	Transcribing T & C's	23½ x 31	LB	24
26	Cls. R.	19 x 31	L	42
33	Cls. R.	24 x 31	L	58
40	Cls. R.	35 x 31	L	85
41	Sec.Tr. Mach. T & C's	35 x 31	LB	36
42	T & C's; Tab. Arms.	24½ x 31	L	38
44	T & C's	33 x 31	A	41
45	Account. T & C's	47½ x 31	A	59
1	Fixed Seats-Poor Light	-	Night Classes	-
			Total	924
B Building				
3	T & C's	29 x 27	P	16
5	8 Desks Journalism	29 x 27	P	16
7	Cls. R.	29 x 27	L	50
24	Cls. R.	29 x 27	L	50
26	Cls. R.	31 x 27	L	54
27	Cls. R.	30 x 27	L	54
29	Aud.Vis. Platform	30 x 27	A	46
43	Art-Painting	39 x 27	LB	26
42	Cermics Kilns	(12 x 27) (33 x 27)	LB	20
41	Fixed Tables	39 x 27	LB	26
E	Exhibit Hall	-	-	-
			Total	358

Santa Ana College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
C Building				
6	Drama T & C's	60 x 28	P	16
8	Cls. R.	22½ x 30	L	48
10	Band	22 x 49	P	35
7	Green Room	26 x 23½	P	12
7A	Costumes	15 x 22	P	8
			Total	119
D Building				
3	T & C's;L/LB	57 x 25	LB	40
4	Photo; Desks (Nights)	22 x 25	LB	Night Class
7	Platform Desks	30 x 25	L	50
8	Desks - Cls. R.	30 x 25	L	50
9	Desks - Cls. R.	36 x 25	L	59
11	Physics	40½ x 25	LB	24
14	Drafting Tables	48 x 25	LB	28
16	Chemistry	46 x 25	LB	32
18	Chemistry	35 x 25	LB	25
			Total	308
E Building				
5	Phy. Ed.	32 x 30	L	65
			Total	65
G Building				
1	Auto Mech.	66 x 59	LB	38
1A	Mezzanine - Briefing	21 x 30	L	25
3	Body-Fender	66 x 59	LB	38
3A	Mezzanine - Briefing	22 x 32	L	30
4	Welding	(21 x 59) (16 x 35)	LB	16
			Total	147
H Building				
1	Electronics	36 x 51	LB	31
2	Cls. R.	30 x 25	L	45
3	Seminar	15 x 30	-	-
			Total	76

Santa Ana College (Continued)

Building Rooms	Notes on Use/Equip.	Not Assignable Space	Type of Space	Student Stations by Formula
Gymnasium				
Gym	2 Cross Courts East Wing (3 T.S.) Wrestling Swimming Pool Baseball Track	9 T.S.	P	270
			Total	270
Temporaries				
L2	T & C's Life Science	21 x 36	LB	21
M3	T & C's Zoology	21 x 36	LB	22
Q1	Adults Only	-	-	-
Q6	T & C's Drafting	21 x 51	LB	28
Y	Machine Shop	40 x 120	LB	48
Y1	Briefing	27 x 27	A	36
R	Botany	21 x 42	LB	25
O	Chemistry	21 x 51	LB	30
			Total	210
			Grand Total-Santa Ana	2,477

APPENDIX B

SIERRA COLLEGE

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space	Student Stations by Formula
Academic				
1	Cls. R.	28 x 32	L	54
2	Cls. R.	28 x 32	L	54
3	Cls. R.(Offices)	28 x 20	L	32
4	Reading Lab.	28 x 32	LB	28
5	Cls. R.	28 x 32	L	54
6	Cls. R.	28 x 32	L	54
7	Cls. R.	28 x 32	L	54
8	Photo.Journal	(12 x 16)	P	16
		(12 x 16)		
			Total	346
Arts - Homemaking				
1	Paint.,Design	32 x 40	LB	24
4	Crafts	32 x 40	LB	24
7	Cooking-Sewing	68 x 40	LB	48
			Total	96
Gymnasium				
Gym	No Gym Floor Dance Outdoor Courts Baseball	3 T.S.	P	75
1	Cls. R.	30 x 20	L	27
			Total	102
Business				
1	Dist. Educ.	28 x 34	LB	30
2	Bus. Mach.	28 x 46	LB	25
3	Shorthand	28 x 34	LB	25
8	Typing	28 x 36	LB	50
9	Accounting	28 x 36	A	40
			Total	170

Sierra College (Continued)

Building Rooms	Notes on Use/Equip.	Net Assignable Space	Type of Space		Student Stations by Formula
Industrial Arts					
8	Wood	50 x 50	LB		25
8A	Painting	13 x 16	LB		3
9	Metal	50 x 50	LB		25
9A	Welding	13 x 12	LB		6
				Total	59
Technical Classrooms					
4	Agric.	12 x 8	LB		4
7	Cls. R.	30 x 24	L		36
10	Electronics	45 x 48	LB		24
				Total	64
Library					
1	Drafting	24 x 49	LB		32
2	Surveying	24 x 33	LB		12
3	Drafting	24 x 42	LB		28
4	Cls. R.	24 x 40	L		80
				Total	152
Music					
1	Band Choral	46 x 38	P		50
2	Practice Rms.	24 x 28	P		16
				Total	66
Science					
1	Chem.	25 x 40	LB		28
2	Chem.	25 x 40	LB		28
3	Chem.	25 x 40	LB		24
4	Physics	25 x 40	LB		24
5	Life Science	25 x 40	LB		24
6	Life Science	25 x 40	LB		24
10	Cls. R.	24 x 31	L		54
11	Cls. R.	32 x 48	L		110
				Total	316
				Grand Total-Sierra	1,371

Sierra College (Continued)

This is an incomplete campus but the cost of future buildings was not estimated so the capacity was not estimated.

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APPENDIX C

COST DATA*

(Note: The cost corrections and adjusted costs appearing in the tables are based on the June 1958 Engineering News Record Cost Index of 757.11. All final costs appearing in the tables have been adjusted to the June 1958 date and are not actual.)

*Original data collected by Dr. Daniel Milliken, President, Chaffey College.

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APPENDIX C

COST DATA
AMERICAN RIVER JUNIOR COLLEGE

Projects	Buildings	Equipment	Other	Total
1 Science	$ 532,370			$ 532,370
2 Liberal Arts	364,693			364,693
3 Technical	415,656			415,656
4 Administration	331,053			331,053
5 Architect's Fees			$ 147,813	147,813
Subtotal of 4/57	1,643,772		147,813	1,791,585
Cost Index Correction	110,133		9,903	120,036
Adjusted Subtotal	$1,753,905		$ 157,716	$1,911,621
6 Creative Arts	562,361			562,361
7 Gymnasium	520,294			520,294
8 Library	209,708			209,708
9 Student Center	575,419			575,419
10 Architect's Fees			149,423	
Subtotal of 5/57	1,867,782		149,423	2,017,205
Cost Index Correction	80,315		6,425	86,740
Adjusted Subtotal	$1,948,097		$155,848	$2,103,945
Total for Buildings	$3,702,002		$313,564	$4,015,566
1 Outdoor Phy. Ed.			164,259	164,259
2 Roads, Walks, Parking			79,890	79,890
3 Primary Utilities			195,526	195,526
4 Site Development (Est.)			40,000	40,000
5 Equipment 4/57 Bldgs.		$233,669		233,669
Equipment 5/57 Bldgs.		184,474		184,474
6 Site Purchase			339,738	339,738
Subtotal for 1 to 6		418,143	819,413	1,237,556
Cost Index Correction		24,289	52,050	76,339
Adjusted Subtotal		$442,432	$871,463	$1,313,895
7 Addn.Projects (Est.)	300,000	300,000	400,000	1,000,000
Grand Total Capital Outlay (1958)	$4,002,002	$842,432	$1,485,027	$6,329,461

APPENDIX C

COST DATA
ANTELOPE VALLEY COLLEGE

Projects	Buildings	Equipment	Other	Total
1 Science	$1,116,894			$1,116,894
2 Admin.-Bus.Educ.	507,478			507,478
3 Student Center	454,443			454,443
4 Art-Homemaking	171,137			171,137
5 Faculty Offices	62,219			62,219
6 Gymnasium	607,002			607,002
7 Engineering	163,642			163,642
8 Classrooms	128,395			128,395
9 Language Arts	84,775			84,775
10 Faculty Offices	61,600			61,600
11 Library	293,880			293,880
12 Little Theater (Est.)	375,000			375,000
13 Fees & Services			$406,834	406,834
Subtotals	4,026,465		406,834	4,433,299
Cost Index Correction	-175,975		-24,408	-200,383
Adjusted Subtotal	$3,850,490		$382,426	$4,232,916
Total for Buildings	$3,850,490		$382,426	$4,232,916
1 Outdoor Phy. Ed. Stadium			350,000	350,000
2 Roads, Walks, Parking (Est.)			300,000	300,000
3 Primary Utilities			339,890	339,890
4 Site Development Landscaping (Est.)			317,712	317,712
5 Equipment (Est.)		$451,504		451,504
6 Site Purchase			225,000	225,000
Adjustment			20,250	20,250
7 Fees & Services			100,000	100,000
Grand Total Capital Outlay (1958)	$3,850,490	$451,504	$2,035,278	$6,337,272

APPENDIX C

COST DATA
BAKERSFIELD COLLEGE

Projects	Buildings	Equipment	Other	Total
1 Administration	$ 487,702	$ 4,300	$ 13,415	$ 505,417
2 Art	160,717	657	1,525	162,899
3 Home Economics	204,476	1,142	5,262	210,880
4 Humanities	499,536	-	13,000	512,536
5 Science	682,834	192,581	23,881	899,296
6 Trades	586,370	21,572	-	607,942
7 Residence Halls	314,444	1,400	5,140	320,984
Subtotal of 9/54	2,936,079	221,652	62,223	3,219,954
Cost Index Correction	534,366	40,341	11,325	586,032
Adjusted Subtotal	$3,470,445	$261,993	$ 73,548	$3,805,986
8 Gymnasium	1,548,749	78,769	41,058	1,668,576
9 Campus Center	471,457	9,396	33,241	514,094
10 Agriculture	153,669	600	-	154,269
11 Outdoor Theater	86,730	5,920	1,500	94,150
12 Speech-Music	553,219	68,794	-	622,013
13 Library	504,202	11,902	3,500	519,604
14 Maintenance	31,471	887	3,730	36,088
15 Incinerator	13,500	-	312	13,812
16 Stadium	786,060	56,555	316,954	1,159,569
Subtotal of 5/55	4,149,057	232,823	400,295	4,782,175
Cost Index Correction	822,231	46,768	90,444	959,443
Adjusted Subtotal	$4,971,288	$279,591	$490,739	$5,741,618
Total for Buildings	$8,441,733	$541,584	$564,287	$9,547,604
1 Outdoor Phy. Ed.			(Included Above)	
2 Roads, Walks, Parking			(Included Below)	
3 Utilities, Site Dvlp.			1,084,409	1,084,409
4 Site Development			(Included Above)	
5 Fees & Services			817,788	817,788
6 Equipment			(Included Above)	
7 Site Purchase			107,100	107,100
Appreciation (Est.)			267,900	267,900
Grand Total Capital Outlay (1958)	$8,441,733	$541,584	$2,841,484	$11,824,801

APPENDIX C

COST DATA
CERRITOS COLLEGE

Projects	Buildings	Equipment	Other	Total
1 Field House	$ 151,935			$ 151,935
2 Lecture Hall, Lockers Science Buildings	1,262,404			1,262,404
3 Liberal Arts-Technology	936,400			936,400
4 Student Center	855,800			855,800
5 Library, Men's Gym Science Labs, Metal Arts	1,838,000			1,838,000
6 Fees & Services			$603,249	603,249
Subtotal of 6/57	5,044,539		603,249	5,647,788
Cost Index Correction	-52,661		-6,122	-58,783
*Adjusted Subtotal	$4,991,878		$ 597,127	$5,589,005
7 Arts-Crafts	535,744			535,744
8 Auditorium Radio-TV, Drama	880,160			880,160
9 Women's Gym	345,000			345,000
10 Shops, Auto	393,775			393,775
11 Addn. Lecture Hall	108,000			108,000
12 Administration	231,296			231,296
13 Fees & Services			415,259	415,259
14 Corporation Yard	372,516			372,516
Subtotal Items 7-14	2,866,491		415,259	3,281,750
Cost Index Correction	-29,996		-4,305	-34,301
Adjusted Subtotal	$2,836,495		$ 410,954	$3,247,449
Total for Buildings	$7,828,373		$1,008,081	$8,836,454
1 Outdoor Phy.Ed.			106,020	106,020
Stadium			720,983	720,983
2 Roads, Walks, Parking			240.140	240,140
3 Primary Utilities			308,313	308,313
4 Site Development			265,058	265,058
Landscaping (Est.)			100,000	100,000
5 Equipment		$763,518		763,518
Equipment (Est.)		848,622		848,622
6 Site Purchase			1,074,050	1,074,050
Subtotal Items 1-6		1,612,140	2,814,564	4,426,704
Cost Index Correction		-84,862	-28,145	-113,007
Adjusted Subtotal		$1,527,278	$2,786,419	$4,313,697
Grand Total Capital Outlay(1958)	$7,828,373	$1,527,278	$3,794,500	$13,150,151

*Cost of projects below the line based on architects' estimate.

APPENDIX C

COST DATA
CHAFFEY COLLEGE

Project	Buildings	Equipment	Other	Total
1 Administration, Gym Electronics, Aeronautics	$1,101,442		$110,000	$1,211,442
2 Campus Center, Science	1,319,152		131,915	1,451,067
3 Library, Bus. Educ. Social Science, Lang. Arts	919,700		91,970	1,011,670
4 Creative Arts	627,011		62,701	689,712
Subtotal	$3,967,305		$396,586	$4,363,891
Cost Index Correction	-88,793			-88,793
Adjusted Subtotal	$3,878,512		$396,586	$4,275,098
Total for Buildings	$3,878,512		$396,586	$4,275,098
1 Outdoor Phy. Ed. (Est.)			503,000	503,000
2 Roads, Walks, Parking			337,700	337,700
3 Primary Utilities			439,900	439,900
Cost Index Correction			5,719	5,719
4 Site Development Landscaping (Est.)			264,000	264,000
5 Equipment		$336,586		336,586
Equipment (Est.)		400,000		400,000
6 Site Purchase			167,037	167,037
Adjustment			332,963	332,963
Subtotal Items 1-6		$736,586	$2,050,319	$2,786,905
Grand Total Capital Outlay (1958)	$3,878,512	$736,586	$2,446,905	$7,062,003

APPENDIX C

COST DATA
COALINGA COLLEGE

Project	Buildings	Equipment	Other	Total
1 Administration, Library, Student Center, Lecture Hall, Science, Classrooms	$ 833,370	$ 46,850	$ 79,350	$ 959,570
2 Classrooms, Laboratories, Miscellaneous	295,818	28,000	36,710	360,528
3 Gym-Swimming Pool	608,000	20,000	62,000	690,000
4 Dining Hall-Girls' Residence Hall	405,000	34,800	51,800	491,600
Subtotal	2,142,188	129,650	229,860	2,501,698
Cost Index Correction	76,774	5,364	7,091	87,229
Adjusted Subtotal	$2,216,962	$135,014	$236,951	$2,588,927
Total for Buildings	$2,216,962	$135,014	$236,951	$2,588,927
1 Outdoor Phy.Ed.				
2 Roads, Walks, Parking			25,000	25,000
3 Primary Utilities		(In Building Contracts)		
4 Site Development Landscaping			100,000	100,000
5 Equipment		(Included Above)		
6 Site Purchase			38,000	38,000
Adjustment			44,498	44,498
Subtotal Items 1-6			$207,498	$ 207,498
Grand Total Capital Outlay (1958)	$2,216,962	$135,014	$444,449	$2,796,425

APPENDIX C

COST DATA
EL CAMINO COLLEGE

Projects	Buildings	Equipment	Other	Total
1 1947-48 Projects	$ 279,389	(Included)		$ 279,389
2 1948-49 Projects	458,009	"		458,009
3 1949-50 Projects	634,072	"		634,072
4 1950-51 Projects	545,173	"		545,173
5 1951-52 Projects	389,646	"		389,646
6 1952-53 Projects	740,171	"		740,171
7 1953-54 Projects	522,946	"		522,946
8 1954-55 Projects	7,813	"		7,813
9 1955-56 Projects	1,483,758	"		1,483,758
10 1956-57 Projects	1,380,124	"		1,380,124
11 Fees & Services			$476,452	476,452
12 1957-58 Projects	794,885	"		794,885
13 1958-59 Projects	1,126,357	"		1,126,357
14 Fees & Services			173,605	173,605
Subtotal	8,362,343		650,057	9,012,400
Cost Index Correction	1,759,040		69,002	1,828,042
Adjusted Subtotal	$10,121,383		$ 719,059	$10,840,442
Total for Buildings	$10,121,383	(Included)	$ 719,059	$10,840,442
1 Outdoor Phy. Ed.	(Included Above)			
2 Roads, Walks, Parking, Site Development, Landscaping, Utilities, Site Purchase			1,017,402	1,017,402
Adjustment			106,800	106,800
Subtotal			$1,124,202	1,124,202
Grand Total Capital Outlay (1958)	$10,121,383	(Included)	$1,843,261	$11,964,644

APPENDIX C

COST DATA
REEDLEY COLLEGE

Projects	Buildings	Equipment	Other	Total
1 New Campus Buildings	$934,126	$251,514	$57,253	$1,242,893
Cost Index Correction	116,766	31,439	7,157	155,362
2 Auto Mech-Trans.	111,840	40,000	27,960	179,800
Cost Index Correction	65,203	23,320	16,300	104,823
3 Industrial Arts Dental Engineering	159,500	82,000	2,500	244,000
Cost Index Correction	37,961	19,516	595	58,072
4 Gymnasium, Addn. Classrooms (Est.)	625,000	20,000	30,000	675,000
Total for Buildings	$2,050,396	$467,789	$141,765	$2,659,950
1 Outdoor Phy. Ed. Utilities, Site Dvlp., Lanscaping, Equipment (Est.)			398,859	398,859
2 Site Purchase Adjustment (Est.)			156,175 100,000	156,175 100,000
Grand Total Capital Outlay (1958)	$2,050,396	$467,789	$796,799	$3,314,984

APPENDIX C

COST DATA
SANTA ANA COLLEGE

Project	Buildings	Equipment	Other	Total
1 Misc. Buildings	$ 674,125			$ 674,125
2 Student Union	41,624			41,624
3 Science	251,001			251,001
4 Gymnasium	366,407			366,407
5 Vocational	25,319			25,319
6 Classrooms	256,976			256,976
7 Grandstand	11,170			11,170
8 Library-Fine Arts	520,340			520,340
9 Trades	308,516			308,516
Subtotal	$2,455,478			$2,455,478
Cost Index Correction	850,750			850,750
Adjusted Subtotal	$3,306,228			$3,306,228
Total for Buildings	$3,306,228			$3,306,228
1 Outdoor Phy Ed.			$13,830	13,830
2 Roads, Walks, Parking			45,000	45,000
3 Utilities			10,000	10,000
4 Site Development				
Landscaping			15,000	15,000
5 Fees & Services (Est.)			200,000	200,000
6 Equipment		$463,534		463,534
Adjusted		147,891		147,891
7 Site Purchase			188,097	188,097
Adjustment			291,903	291,903
Subtotal		$611,425	$763,830	$1,375,255
Grand Total Capital Outlay (1958)	$3,306,228	$611,425	$763,830	$4,681,483

APPENDIX C

COST DATA.
SIERRA COLLEGE

Project	Buildings	Equipment	Other	Total
1 All buildings in initial contract plus site costs	$3,040,000	$150,000	$212,000	$3,402,000
Cost Index Correction	-30,400	-1,500	-2,120	-34,020
Subtotal	3,009,600	148,500	209,880	3,367,980
2 Complete Campus (Est.)	300,000	100,000	100,000	500,000
Grand Total Capital Outlay (1958)	$3,309,600	$248,500	$309,880	$3,867,980

APPENDIX D

STATE COLLEGES CAPITAL OUTLAY

COST PER F.T.E. CAPACITY

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APPENDIX D

STATE COLLEGES CAPITAL OUTLAY
COST PER F.T.E. CAPACITY

College	Capital Outlay Appropriations	Plant Capacity In F.T.E.	Cost Per F.T.E.
Cal-Poly*	$55,934,659	6,633	$8,433
Chico	12,573,437	2,434	5,166
Fresno	26,310,763	5,923	4,442
Humboldt	14,399,221	1,827	7,881
Long Beach	29,234,230	9,192	3,180
Los Angeles	22,599,065	4,497	5,025
Sacramento	18,187,909	3,903	4,660
San Diego	34,303,682	8,305	4,130
San Fernando	23,490,654	3,813	6,161
San Francisco	21,971,523	6,512	3,374
San Jose	48,340,820	11,464	4,217
Summary	$307,345,963	64,503	$4,765

*San Luis Obispo and Kellogg Voorhiis Campuses combined.